CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

CONFIDENTIAL
SECURITY INFORMATION

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COUNTRY	USSR (Sverdlovsk Oblast)	REPORT	
SUBJECT	The Hydroelectric Plant near Verkhoturye	DATE DISTR.	18 May 1953
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PLACE ACQUIRED		REFERENCES	

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This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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1. The hydroelectric plant was constructed about 4 km west of Verkhoturye (N 58-52, E 60-50), at the narrowest point of the Tura valley. A branch railroad line terminating near the power plant connected the site with the Verkhoturye railroad station.

2. Construction began in 1945 and the dam and turbine house were completed by August 1949. The basin was not filled because the outlets were still open. Two turbines in the plant had been supplied during the war, and one of them was to go into operation in December 1949; a third turbine was scheduled to be installed later. Posters announced that the power supply would become available in late 1949.

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The plant was scheduled to supply power for the Nizhniy Tagil (N 57-54, E 60-00) - Karpinsk (N 59-45, E 60-04) railroad line, which was electrified in some sections. A long-distance, three-phase power line led to a chemical plant, which was under construction, and from there to the Verkhoturye railroad station, which allegedly had a transformer station.

Comment. 80 electric power plants were to be established in the Ural Mountains to supply power to electric railroad lines.

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25 YEAR RE-REVIEW

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STATE	x	ARMY	x	NAVY	x	AIR	x	FBI		AEC		

(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

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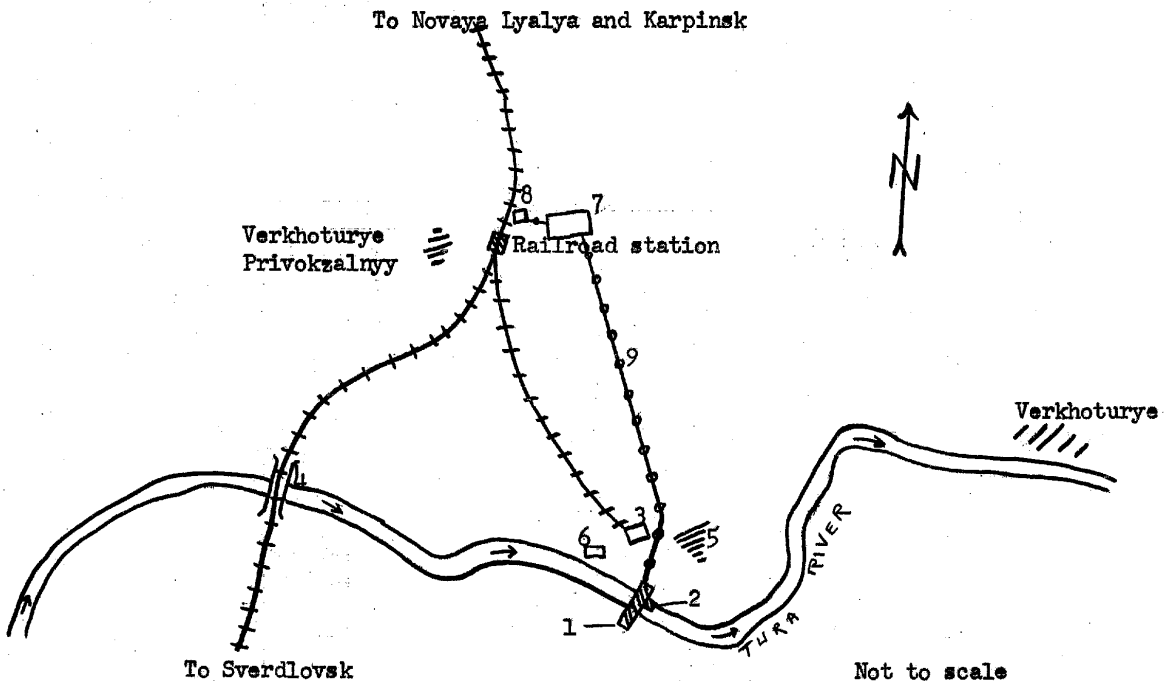
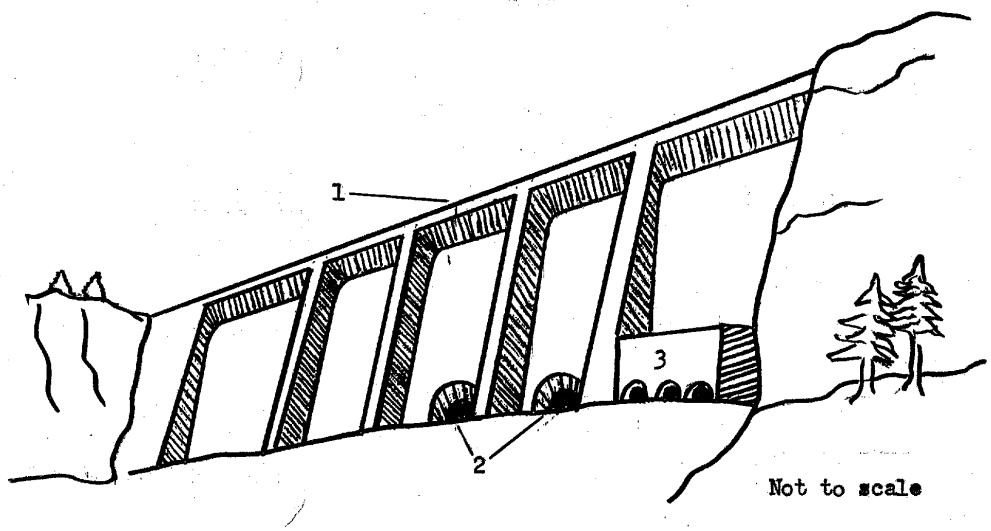
A. Location of the Hydroelectric Power Plant near Verkhoturye



B. Dam for the Hydroelectric Plant near Verkhoturye (Point 1 on Sketch A)



See next page for legends to above sketches.

Legends to sketches.

A. 1. Dam, of reinforced concrete, about 210 meters long and 26 meters thick, with the highest water level 22 meters above the base. One source stated that the dam was curved to counterbalance the pressure of the water in the reservoir. There were three sluices downstream, on the right bank, and three turbine outlets on the left bank. With the water outlets closed, the reservoir will extend 4 km to the southwest.

2. Turbine house, partly built into the dam; two turbines had been installed and a third was ready to be installed in August 1949.

3. Concrete plant

4. Railroad bridge, about 220 meters long

5. A settlement

6. An American-made, wood- and coal-fired, mobile power unit, generating power for the construction work

7. A chemical plant, under construction, with some one-story buildings completed in August 1949

8. Small transformer station at the railroad station

9. High-tension power line

B. 1. Overflow point

2. Two, or possibly three, sluices, which were still open in August 1949

3. The turbine house, which was partially built into the dam, and had three outlets